

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	204	((270/52.16) or (270/52.19)).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/11 09:55
L2	289	(242/528).ccls. NOT L1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/11 09:55
L3	586	(271/204).ccls. NOT (L2 or L1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/11 09:55
L4	1066	((271/9.01) or (271/9.13) or (271/216)).ccls. NOT (L2 or L3 or L1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/11 09:56
S1	8	((("4298158") or ("4471953") or ("4684188") or ("4896870") or ("5067699") or ("5295679") or ("5727781") or ("5799897"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/01/10 12:02
S2	17	("4601436"   "4676496"   "4684118"   "4697400"   "4703901"   "4769973"   "4866910"   "4898336"   "4925120"   "4928899"   "5022807"   "5379963"   "5398883").PN. OR ("5799897"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 13:24
S3	22	("2849236"   "4063693"   "4416426"   "4441661"   "4580739"   "4676496"   "4684118"   "4703901").PN. OR ("4866910"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 13:45
S4	19	("3032341"   "3123888"   "4039182"   "4438618"   "4866910"   "4887809"   "4917369"   "5007624"   "5503264"   "5755436"   "6003859").PN. OR ("6270076"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 13:52

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S5	25	("3032341"   "3123888"   "3907274"   "4039182"   "4399905"   "4438618"   "4565130"   "4743005"   "4887809"   "4917369"   "5007624"   "5072822"   "5421257"   "5503264"   "5506599"   "5908116").PN. OR ("6003859").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 13:57
S6	16	("4201286"   "4320894"   "4333559"   "4905981").PN. OR ("5295679").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 14:02
S7	12	("3122362"   "3953017").PN. OR ("4471953").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 14:04
S8	19	("3951399"   "3955667"   "4039182"   "4072228"   "4201286"   "4381056"   "4445681"   "4471953"   "4525982"   "4575988"   "4706951"   "4709910").PN. OR ("5019716").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 14:07
S9	64	("3345065"   "4010945"   "4015843"   "4034845"   "4058202"   "4201286").PN. OR ("4320894").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 14:11
S10	63	("1165757"   "2461573"   "2876008").PN. OR ("3951399").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 14:15
S11	36	("3951399"   "4058202"   "4398710"   "4408754"   "4489930"   "4684116"   "4684117"   "4706951"   "4709910"   "4723770"   "4735406"   "4743005").PN. OR ("5052666").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 14:21
S12	16	("2626074"   "3096089"   "3420516"   "3951399").PN. OR ("4732374").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 14:23
S13	28	("3692301"   "3789571"   "3951399").PN. OR ("4416448").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 14:24
S14	13	("2763110"   "3750859"   "4320894"   "4697400"   "4828242"   "4889146"   "5029843"   "5191267"   "5201910"   "5413213"   "5579889").PN. OR ("5865295").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 14:28

## EAST Search History

S15	50	((("4581878") or ("5430615") or ("4365458") or ("5409721") or ("5435143") or ("5718323") or ("6122655") or ("6140995") or ("4303200") or ("4316538") or ("4565052") or ("4586645") or ("4836118") or ("4850612") or ("4908924") or ("4936200") or ("5272790") or ("5274884") or ("5295101") or ("5295749") or ("5321639") or ("5341630") or ("5367188") or ("5379246") or ("5389399") or ("5390894") or ("5436171") or ("5470210") or ("5495653") or ("5550765") or ("5549513") or ("5551333") or ("5576848") or ("5627660") or ("5732939") or ("5752453") or ("5867415") or ("5891276") or ("5911325") or ("5913985") or ("5957268") or ("5988072") or ("6036441") or ("6047553") or ("6053027") or ("6055794") or ("6056124") or ("6062231") or ("6076655") or ("6080009"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/01/10 14:56
S16	204	((270/52.16) or (270/52.19)).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 15:39
S17	23	("3032341"   "4018327"   "4039182"   "4197935"   "4201286"   "4718656"   "4887809"   "4893805"   "4953843"   "5280895"   "5324025").PN. OR ("5660382"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 15:02
S18	289	(242/528).ccls. NOT S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 15:10
S19	586	(271/204).ccls. NOT (S18 or S16)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 15:40

## EAST Search History

S20	139	wind and unwind and roll and gripper\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 17:33
S21	138	S20 NOT (S18 or S19 or S15)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 17:28
S22	75	S21 and (signature\$1 or paper\$1 or product\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 17:34
S23	33	S22 and (superimpose\$1 or overlap or "step-wise")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 17:30
S25	35	S22 and (superimpose\$1 or superpose\$1 or overlap or "step-wise")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 17:33
S26	8	(S21 and (superimpose\$1 or superpose\$1 or overlap or "step-wise")) NOT S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 17:35
S27	2625	winding and unwinding and roll and (gripper\$3 or clamp\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 17:34
S28	1370	S27 and (signature\$1 or paper\$1 or product\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 17:35

## EAST Search History

S29	460	S28 and (superimpose\$1 or superpose\$1 or overlap\$3 or "step-wise")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 17:35
S30	432	S29 NOT S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/10 17:35
S31	89	S30 and (("270"/\$) or ("271"/\$) or ("242"/\$)).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/11 09:54